# Mountain Weather Forecast

## Lake District National Park

Forecast valid from 00:00 on Friday 08 Jan 2021 until 23:59 on Saturday 09 Jan 2021

Forecast Issued on Thursday 07 Jan 2021 at 11:23

**Confidence:** Generally high, with less cold conditions by the end of the weekend.

**Headline for Friday 08 Jan 2021:** Snow during the early hours, cloud clearing during the afternoon. Cold northerly winds.

**Mountain weather hazards on Friday 08 Jan 2021**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy Snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>Medium Likelihood | **Poor visibility**<br>Low Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>No Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 800m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| Light snow | Light snow | Partly cloudy (night) | Sunny intervals | Sunny intervals | Sunny | Clear night | Clear night |
| Precipitation probability | | | | | | | |
| 80% | 40% | 20% | 30% | 10% | 10% | 10% | 10% |

**Forecast for Friday 08 Jan 2021**

**Weather:** Low cloud with outbreaks of snow through the early hours but this clearing to the south to leave patchy cloud behind. Cloud clearing through the afternoon to leave a sunny end to the day and clear skies into the evening.

**Chance of cloud free mountain/hill tops above 800m:** 70% through much of the morning, increasing to 90%.

**Visibility:** Generally good but poor in any snow at first with cloud bases about 500m, some patches of low cloud lingering through the morning.

Check our weather forecast every day to get the most accurate and up to date information
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# Mountain Weather Forecast

**Forecast for Friday 08 Jan 2021**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 21/26 N | 24/30 N | 27/35 N | 27/35 N | 28/36 NE | 26/33 NE | 22/28 NE | 16/20 NE | 7/9 NE |
| **600** | 17/23 N | 18/25 N | 19/28 N | 18/25 N | 16/23 N | 16/23 N | 14/20 NE | 11/16 NE | 5/8 NE |
| **300** | 6/17 N | 10/22 N | 9/24 N | 8/22 N | 9/22 N | 8/20 N | 7/18 N | 7/15 NE | 4/7 NE |
| **Valley** | 10/22 N | 13/26 N | 13/28 N | 13/27 N | 14/26 N | 13/25 N | 12/23 N | 9/17 NE | 6/8 NE |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | -4/-12 | -5/-14 | -6/-16 | -7/-16 | -6/-16 | -6/-15 | -6/-14 | -7/-14 | -5/-9 |
| **600** | -3/-9 | -3/-10 | -4/-12 | -5/-13 | -4/-11 | -4/-10 | -4/-11 | -5/-11 | -4/-7 |
| **300** | -1/-4 | -1/-6 | -2/-7 | -3/-8 | -2/-6 | -1/-5 | -2/-6 | -4/-8 | -3/-5 |
| **Valley** | 1/-3 | 1/-4 | -0/-6 | -1/-6 | 1/-4 | 1/-4 | 0/-4 | -0/-4 | -1/-4 |
| **Freezing Level*** | 200m | 100m | 00m | 00m | 00m | 100m | 100m | 00m | 100m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Feeling cold, particularly where we have lying snow. This also causing slippery conditions.

**Forecast for Saturday 09 Jan 2021**

**Weather:** Dry with clear skies throughout much of the day, but clouding over by evening.

**Maximum wind:** Westerly 15 gust 20-25mph.

**Chance of cloud free mountain/hill tops above 800m:** High throughout.

**Visibility:** Good.

**Temperature:** **Valleys:** Minus 2 rising to plus 2 Celsius
**At 800m:** Minus 4 Celsius
**Freezing level:** 200m

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# Mountain Weather Forecast

**Ground Conditions Supplement**

Date: Thursday 7 January 2021. Location: Helvellyn summit at 12:30. Full report: We are continuing to provide the Fell Top Reports for people undertaking their daily local exercise during the lockdown. We would like to remind everyone that Government guidance stipulates that people should only exercise locally, not leaving the village, town or city where they live. A wintery day on the fells with slow moving snow showers and light winds. The terrain was generally frozen at all levels with only a slow thaw in the valleys throughout the day. The snow coverage across the National Park is very localised with levels being around 400m on Helvellyn while Penrith just down the road at 150m was looking rather snowy this evening. Yesterdays sun has also had an effect with the snow level on south facing slopes being much higher. The snow pack is currently very shallow including at summit levels and this combined with a lot of ice on paths meant that Microspikes were incredibly useful today almost from the car park. This ice hazard was most obvious between 300m and 600m. Above this altitude it was mostly hidden beneath the snow giving a false sense of security which can catch out the unwary. Snow showers on light winds throughout the day have added a thin layer to the existing cover. There has been very little redistribution by the wind although some soft deep drifts were found which slowed progress. Away from the paths the snow was still generally very soft and unconsolidated. Striding Edge is buried under a thin layer of soft but helpful snow and rime ice. The easiest route is along the exposed crest as the paths on the flanks are beginning to bank out. Swirral Edge felt far more serious today especially in descent with deeper and more unstable snow. The Helvellyn plateau has a good covering of snow and ice and navigation was tricky in the cloud as landmarks and paths have been obscured. There were small unstable cornices above the east face which should be given a wide berth. Crampons and an ice axe were essential today along with microspikes at lower elevations. Full winter clothing, hats & gloves, appropriate navigation equipment, a survival bag and a torch should also be carried. Please be conservative with your plans and know your limits. Temperature: minus 3.4 C, Maximum wind speed 15.5  mph, Wind chill: minus 11.6 C, Average wind speed: 14.7 mph

Issued at: 1123 on Thu 07 Jan 2021

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